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ADAM12 Antibody

ADAM12; MCMP; MLTN; MLTNA; MCMPMltna; a disintegrin and metalloproteinase domain 12 (meltrin alpha); meltrin alpha; A disintegrin and metalloproteinase domain 12 (Meltrin-alpha, mouse, homolog of)

CATALOG NO.: 45-001

HOST:
Goat

CLONALITY:
Polyclonal

INFORMATION:
ADAM12 Antibody. This antibody is expected to recognise both the longer membrane-bound form of human ADAM12 (NP_003465) and the shorter soluble ADAM12 splice isoform (NP_067673). This antibody does not cross-react with other ADAMS.

SOURCE:
ADAM12 antibody was raised against a synthetic peptide near the N-terminus of ADAM12.

PROTEIN ACCESSION NUMBER(S) :
NP_003465; NP_067673

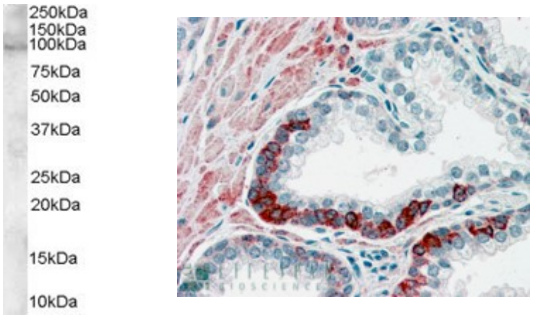
SPECIES REACTIVITY:
Human

TESTED APPLICATION:
ELISA, Western Blot, Immunohistochemistry

APPLICATION:
Peptide ELISA: antibody detection limit dilution 1:64000. Western Blot: Approx 90kDa band observed in human heart lysates (calculated MW of 99.6kDa according to NP_003465 and 80.5kDa according to NP_067673). Recommended concentration: 0.1-0.3µg/ml. Immunohistochemistry: In paraffin embedded Human Prostate shows strong cytoplasm staining of a group of secretory epithelial cells. Recommended concentration, 3-5µg/ml.

PURIFICATION:
Purifed from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

BUFFER:
Antibody is supplied as 0.1mg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.



Western blot analysis of ADAM12 in Human Heart lysate (RIPA buffer, 30µg total protein per lane) using ADAM12 antibody (0.1µg/ml). Immunohistochemistry staining of ADAM12 in human prostate using ADAM12 antibody (3.8µg/ml).

STORAGE:

Aliquot and store at -20°C. Minimize freezing and thawing.

REFERENCE:

Galliano MF, Huet C, Frygelius J, Polgren A, Wewer UM, Engvall E. Binding of ADAM12, a marker of skeletal muscle regeneration, to the muscle-specific actin-binding protein, alpha -actinin-2, is required for myoblast fusion. J Biol Chem. 2000 May 5;275(18):13933-9.

USER NOTES:

When working with antibodies optimal dilutions/concentrations should be determined by the end user for each application. The information provided is a guideline for antibody use. As with all ProSci antibodies, this antibody is for research use only.